mtt

Standard Specification Sheet   Model：MS90-SY

Plug-in High Performance Arrester for Synchro Device
(90V AC)

ARRESTANT

OVERVIEW

ARRESTANT is a series of high performance lightning arresters that protect electronic instruments by absorbing surge voltage induced by lightning. To protect the instruments effectively, arresters shall be installed adjacent to instrument to be protected against lines where surge voltage is induced.

MS90-SY is designed to protect signal lines between synchro devices.

ORDERING INFORMATION

Ordering Code	Standard Price
	OPEN
MS90-SY	

SPECIFICATIONS

INPUT AND OUTPUT SECTION

Input Signal	90V AC
Output Signal	90V AC

PERFORMANCE

Allowable Current Leakage	Between lines: 1mA or less (at 200V DC) Between ground: 1mA or less (at 400V DC)
Instrument Side Voltage Limit	Between lines: 500V or less (at 10kV, 1.2/50 μ s) Between ground: 1000V or less (at 10kV, 1.2/50 μ s)
Surge Discharge Withstand Capacity	Between lines: 1000A (at 8/20 μ s) Between ground: 5000A (at 8/20 μ s)
Discharge Starting	Between lines: 240V or more Between ground: 420V or more
Maximum Load Current	100mA
Temperature	$-10\sim60℃$
Humidity	5～90%RH (no condensation)

PHYSICAL

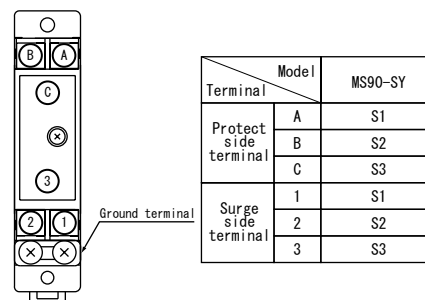|	
Construction	2 sections construction of main body and terminal base: plug-in + screw fastening
Material	Black, flame resistance ABS resin (Case body) Black, flame resistance ABS resin (Terminal base)
Grounding	JIS Class 3 grounding [100 Ω or less] (with grounding bar)
Mounting Method	Wall mounting with M4 screw
Connecting Method	M4 screw terminal connection (fastening torque 1.2 N・m or less)

External Dimension	W23.5×H100×D55mm
Mounting Dimension	90mm
Multi-mounting Pitch	24mm
Weight	Approx. 110g

ADDITIONAL

Adaptor for DIN rail mounting (Specify at ① when ordering)	■ With an adaptor for DIN rail mounting ･/D ■ Without an adaptor for DIN rail mounting ····································· Blank

TERMINAL ASSIGNMENT

Terminal \ Model		MS90-SY
Protect side terminal	A	S1
	B	S2
	C	S3
Surge side terminal	1	S1
	2	S2
	3	S3

BLOCK DIAGRAM